

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A routing system for routing data repository messages ~~between a plurality of computer systems~~, the routing system comprising:

a plurality of computer systems, each computer system having a data repository for storing data according to a different syntax; and

a message router in communication with, and remotely located from, each of the plurality of computer systems, each computer system having a data repository; and

wherein the message router includes a conversion engine supported by the message router to translate content in a received data repository message from a syntax corresponding to a data repository of an originating computer system to a syntax corresponding to a data repository of at least one target computer system when the syntax corresponding to the data repository of the originating computer system is different than the syntax corresponding to the data repository of the at least one target computer system;

wherein the message router further includes a translation library configured to store information for converting each of the different syntaxes into each other of the different syntaxes.

2. (Previously Presented) The routing system of claim 1, further comprising:

a communications processor configured to format said received data repository message according to a suitable communications protocol.

3. Cancelled.

4. (Currently Amended) The routing system of claim [[3]] 1, wherein particular ones of said computer systems include distributed database networks.

5. (Currently Amended) The routing system of claim [[3]] 1, wherein said conversion engine further comprises a reference processor configured to translate data structure and attribute name references within said data repository messages.

6. (Previously Presented) The routing system of claim 5, wherein said conversion engine further comprises an attribute processor configured to translate attribute values within said data repository messages.

7. (Previously Presented) The routing system of claim 6, wherein said conversion engine further comprises an operation processor configured to translate data repository operations within said data repository messages.

8. (Currently Amended) In a message router, a method of routing data repository messages, said method comprising:

receiving a data repository message from an originating computer system, said data repository message conforming to a first syntax and being received in a message router located remotely from said originating computer system;

determining a target computer system to which said received data repository message is directed, said target computer system remotely located from said originating computer system and said message router;

based on said determined target computer system, identifying a second syntax corresponding to said target computer system, wherein said first syntax and said second syntax are disparate;

converting content in said received data repository message from said first syntax to said second syntax, the conversion being effected by said message router and based upon syntax information contained in a translation library residing on said message router; and

sending said received and converted data repository message to said target computer system.

9. Cancelled.

10. (Currently Amended) The method of claim [[9]] 8, wherein said data repository message includes at least one of a data structure reference, an attribute name reference, an attribute value, and a data repository operation, said converting step further comprising:

translating said data structure and said attribute name references using a reference processor;

translating said attribute value using an attribute processor; and

translating said data repository operation using an operation processor.

11. (Currently Amended) In a message router, a method of routing data repository messages, said method comprising:

receiving a data repository message from an originating computer system, said data repository message conforming to a first syntax and being received in a message router remotely located from the originating computer system;

determining a plurality of target computer systems to which said received data repository message is directed, said target computer systems each being remotely located from said originating computer system and said message router;

based on said determined plurality of target computer systems, identifying at least one syntax for particular ones of said plurality of target computer systems, wherein said at least one identified syntax and said first syntax are disparate;

converting content in said received data repository message from said first syntax to said at least one syntax of said particular ones of said plurality of target computer systems, the conversion being effected by said message router and based upon syntax information contained in a translation library residing on said message router; and

sending said received and converted data repository message to said particular ones of said plurality of target computer systems.

12. Cancelled.

13. (Currently Amended) The method of claim ~~[[12]]~~ 11, wherein said data repository message includes at least one of a data structure reference, an attribute name reference, an attribute value, and a data repository operation, said converting step further comprising:

translating said data structure and said attribute name references using a reference processor;

translating said attribute value using an attribute processor; and

translating said data repository operation using an operation processor.

14. (Currently Amended) A machine-readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

in a message router, receiving a data repository message from an originating computer system, said data repository message conforming to a first syntax and said message router remotely located from said originating computer system;

determining a target computer system to which said received data repository message is directed, said target computer system remotely located from said originating computer system and said message router;

based on said determined target computer system, identifying a second syntax corresponding to said target computer system, wherein said first syntax and said second syntax are disparate;

converting content in said received data repository message from said first syntax to said second syntax, the conversion being effected by said message router and based upon syntax information contained in a translation library residing on said message router; and

sending said received and converted data repository message to said target computer system.

15. Cancelled.

16. (Currently Amended) The machine-readable storage of claim ~~[[15]]~~ 14, wherein said data repository message includes at least one of a data structure reference, an attribute name reference, an attribute value, and a data repository operation, said converting step further comprising:

translating said data structure and said attribute name references using a reference processor;

translating said attribute value using an attribute processor; and

translating said data repository operation using an operation processor.

17. (Currently Amended) A machine-readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

in a message router, receiving a data repository message from an originating computer system, said data repository message conforming to a first syntax, and said message router remotely located from said originating computer system;

determining a plurality of target computer systems to which said received data repository message is directed, said target computer systems each being remotely located from said originating computer system and said message router;

based on said determined plurality of target computer systems, identifying at least one syntax for particular ones of said plurality of target computer systems, wherein said at least one identified syntax and said first syntax are disparate;

converting content in said received data repository message from said first syntax to said at least one syntax of said particular ones of said plurality of target computer systems, the conversion being effected by said message router and based upon syntax information contained in a translation library residing on said message router; and

sending said received and converted data repository message to said particular ones of said plurality of target computer systems.

18. Cancelled.

19. (Currently Amended) The machine-readable storage of claim [[18]] 17, wherein said data repository message includes at least one of a data structure reference, an attribute name reference, an attribute value, and a data repository operation, said converting step further comprising:

translating said data structure and said attribute name references using a reference processor;

translating said attribute value using an attribute processor; and

translating said data repository operation using an operation processor.